

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for establishing a data connection between a mobile communications system (2) comprising several terminals (1) and another telecommunications system (3) supporting several protocols, the method comprising the steps of:

(i) receiving messages from the a terminal (1), converting them into a format compatible with at least one of the protocols of the other telecommunications system, (3) and transmitting them to the other telecommunications system (3); and

(ii) receiving information from the direction of the other telecommunications system (3) and converting it into a format compatible with at least one protocol of the mobile communications system, (2) and transmitting it to the mobile communications system (2);

characterized in that wherein the terminals (1) of the mobile communications system are classified into at least two different classes (1a, 1b) on the basis of at least one predetermined criterion, wherein the at least one predetermined criterion includes a criterion determined on the basis of the content of a message from a respective terminal among the terminals, and

the protocol to be used toward with respect to the terminal (1) is selected on the basis of the class (1a, 1b) of the terminal in question.

2. (Cancelled)

3. (Currently Amended) A method according to claim 1, ~~characterized in that wherein~~ the at least one predetermined criterion includes a said predetermined criterion is determined on the basis of the header of the protocol layer of the message from the terminal (1).

4. (Currently Amended) A method according to claim 4, ~~characterized in that wherein~~ said at least one predetermined criterion comprises includes the terminal's (1) ability to support the HTTP protocol; and

information from the direction of the other telecommunications system (3) is transmitted using the HTTP protocol to the terminals (1b) supporting it, and as a short message to other terminals (1a).

5. (Currently Amended) A method according to claim 1, ~~characterized in that~~ wherein in step (i) at least some messages ~~of~~ from the terminal (1) are altered on the basis of ~~the~~ a location of said terminal (1).

6. (Currently Amended) A method according to ~~any one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein in step (ii) at least part of the information to be transmitted to the terminal (1) is selected or filtered on the basis of ~~the~~ a location of said terminal (1).

7. (Currently Amended) A method according to claim 5, ~~characterized in that~~ wherein said location of the terminal (1) is determined on the basis of ~~the~~ a location management element of the mobile communications system (2), ~~which is known per se~~.

8. (Currently Amended) An information server (1S) comprising:
first means for connecting to a mobile communications system (2), which in turn connects to terminals (1) on a radio connection (Um);

second means for connecting to another telecommunications system (3) supporting several protocols; ~~and~~ ,

third means ~~(5 to 8)~~ which are arranged to receive messages from the terminals (1) and convert them into a format compatible with at least one of the protocols of the other telecommunications system (3), and to receive information from the direction of the other telecommunications system (3) and to convert it into a format compatible with at least one protocol of the mobile telecommunications system (2), ~~characterized in that said server further comprises:~~

a function for dividing the terminals (1) into at least two different classes (1a, 1b) on the basis of at least one predetermined criterion, wherein the at least one predetermined criterion includes a criterion determined on the basis of the content of a message from a respective terminal among the terminals, and

a function for selecting the protocol to be used ~~on~~ for the connection on the basis of the class (1a, 1b) of the terminal in question.

9. (Currently Amended) A server (IS) according to claim 8, ~~characterized in that~~
wherein

said at least one criterion comprises the terminal's (1) ability to support the HTTP
protocol; and

the server (IS) further comprises means for sending information from the direction of
the other telecommunications system (3) using the HTTP protocol to the terminals (1b)
supporting ~~it~~ that protocol, and as a short message to other terminals (1a).

10. (Currently Amended) A server (IS) according to claim 9, ~~characterized in that it~~
wherein the server is arranged to compress information from the direction of the
telecommunications system (3) before ~~it~~ the information is sent as a short message.

11. (Currently Amended) A server (IS) according to claim 9 or 10, ~~characterized in~~
~~that it~~ wherein the server is arranged to send information from the direction of the other
telecommunications system (3) to the terminals (1) in several short messages if the content of
the information exceeds the length of one short message.

12. (Currently Amended) A server (IS) according to ~~any one of~~ claim 9, ~~characterized~~
~~in that it~~ wherein the server is arranged to analyse the amount and type of information sent
from the direction of the other telecommunications system (3), and if the amount of
information exceeds a predetermined threshold value or its type corresponds to a
predetermined type, the server (IS) is adapted to:

store the information in a memory (MEM); and
at least first send only a notice to the terminal (1) that the terminal will receive more
information when a connection can be established to the terminal (1) via another protocol.

13. (Currently Amended) A server (IS) according to claim 8, ~~characterized in that it~~
wherein the server is arranged to filter the information provided for the terminal (1) on the
basis of ~~the~~ a location of the terminal (1).

14. (Currently Amended) A sever server according to claim 8, ~~characterized in that it comprises further comprising~~ memory means (~~MEM~~) for storing the most used information from the direction of the other telecommunications system (~~3~~).

15. (Currently Amended) A server (~~IS~~) according to claim 8, ~~characterized in that it wherein the server~~ is implemented as a compact network element ~~on which substantially all functions of the server are concentrated.~~

16. (Currently Amended) A server (~~IS~~) according to ~~any one of~~ claim 8, ~~characterized in that it wherein the server~~ is implemented in a distributed manner substantially by means of network elements ~~known per se~~ and by supplementing their functions.

17. (Currently Amended) A server (~~IS~~) according to ~~any one of~~ claim 8, ~~characterized in that it wherein the server~~ is arranged to be connected to the internet.

18. (Previously Presented) The method according to claim 6, wherein the location of the terminal is determined based on the a location management element of the mobile communications system.

19. (Previously Presented) The server according to claim 9, wherein the server is arranged to send information from the direction of the other telecommunications system to the terminals in a plurality of short messages, if the content of the information exceeds the length of one short message.